



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/775,923	02/10/2004	Peter W. Glunz	10116 NP	1399

23914 7590 07/22/2005

STEPHEN B. DAVIS  
BRISTOL-MYERS SQUIBB COMPANY  
PATENT DEPARTMENT  
P O BOX 4000  
PRINCETON, NJ 08543-4000

EXAMINER

AULAKH, CHARANJIT

ART UNIT	PAPER NUMBER
----------	--------------

1625

DATE MAILED: 07/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/775,923

Applicant(s)

GLUNZ ET AL.

Examiner

Charanjit S. Aulakh

Art Unit

1625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-36 are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

**DETAILED ACTION**

1. Claims 1-36 are pending in the application.

***Election/Restrictions***

2. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents an aryl or cycloalkyl group, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 564, subclass 123.
- II. Claims 1-36, drawn to compounds of formulae (I) or (IV) where Z represents isoquinoline group, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 546, subclass 139.
- III. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formula (I) where Z represents 6-membered heteroaryl or heterocyclic group containing only one N atom as heteroatom, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 546, subclass 304.
- IV. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 6-membered heteroaryl or heterocyclic group containing only two N atoms as heteroatoms, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 544, subclass 224.

- V. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 10-membered bicyclic heteroaryl group containing only two N atoms as heteroatoms, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 544, subclass 253.
- VI. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 9-membered bicyclic heteroaryl group containing only one or two N atoms as heteroatoms, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 548, subclass 469.
- VII. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 9-membered bicyclic heteroaryl group containing only one N atom and one S or O atom as heteroatoms, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 548, subclass 152.
- VIII. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 9-membered bicyclic heteroaryl group containing only one or two O atoms as heteroatoms, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 549, subclass 434.
- IX. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 5-membered heteroaryl group containing only one

N, S or O atom as heteroatom, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 548, subclass 557.

X. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 5-membered heteroaryl group containing only one N atom and one S or O atom as heteroatoms, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 548, subclass 215.

XI. Claims 1-4, 8-26, 29, 32, 33 and 36, drawn to compounds of formulae (I) or (IV) where Z represents 10-membered bicyclic heteroaryl group containing only three N atoms as heteroatoms, pharmaceutical compositions containing these compounds and a method of using these compounds, classified in class 544, subclass 180.

3. The inventions I through XI as defined above are patentably distinct, each from the other since they are structurally so divergent that a reference showing compounds of invention I would not render compounds of inventions II through X prima facie obvious. Search required for e.g ; compounds of invention I in class 564, subclass 123 is not the same search required for e.g ; compounds of invention II in class 546, subclass 139 and therefore, constitutes a burdensome search.

Art Unit: 1625

4. A telephone call was made to the applicant's attorney, Ms. Jing S. Belfield on July 19, 2005 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

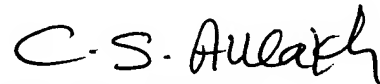
5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charanjit S. Aulakh whose telephone number is (571)272-0678. The examiner can normally be reached on Monday through Friday, 8:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on (571)272-0562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 1625

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Charanjit S. Aulakh  
Primary Examiner  
Art Unit 1625